

Maternal & Child Health Indicators

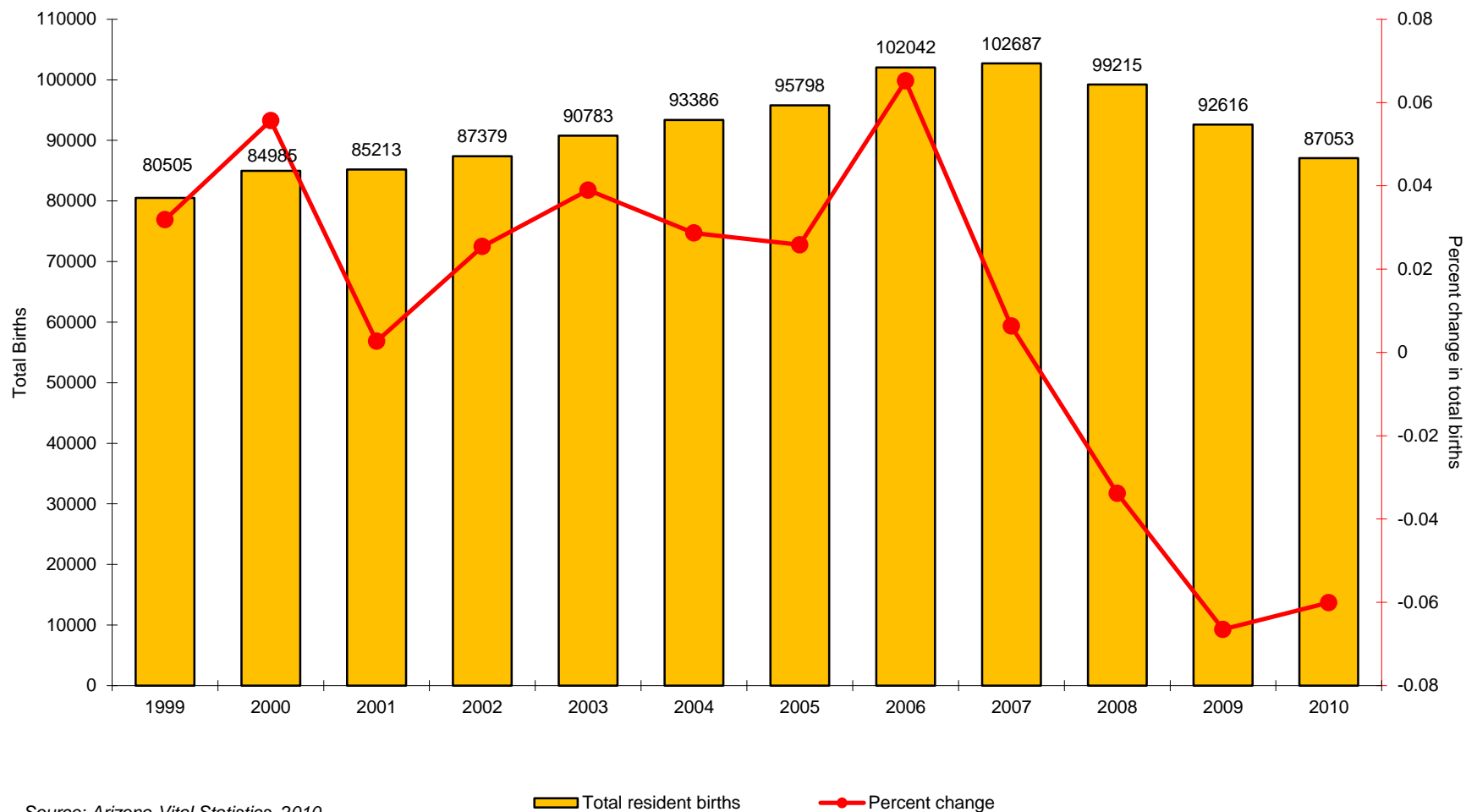


First Things First
Health Committee
June 6, 2012

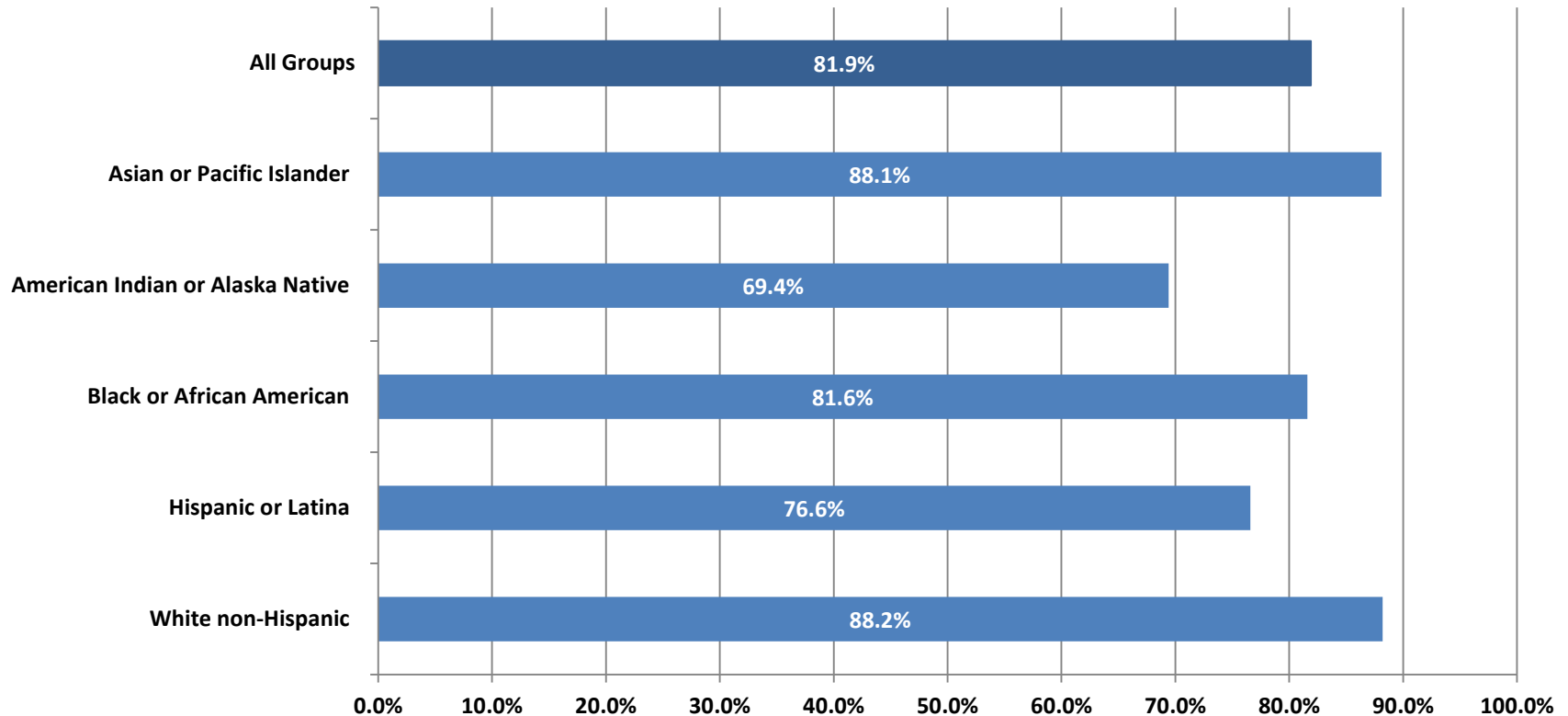
Just the Facts 2010

- 87, 053 infants were born in Arizona in 2010
- 81.9% of women began prenatal care in the first trimester
- Prematurity is leading cause of infant death
- Low birth weight rates are unchanged
- Teen births have been decreasing
- Infant mortality rate hit historic low in 2009
- Injury rates are declining

**Total Resident Births and Percent Change in Births by Year
Arizona 1999-2010**

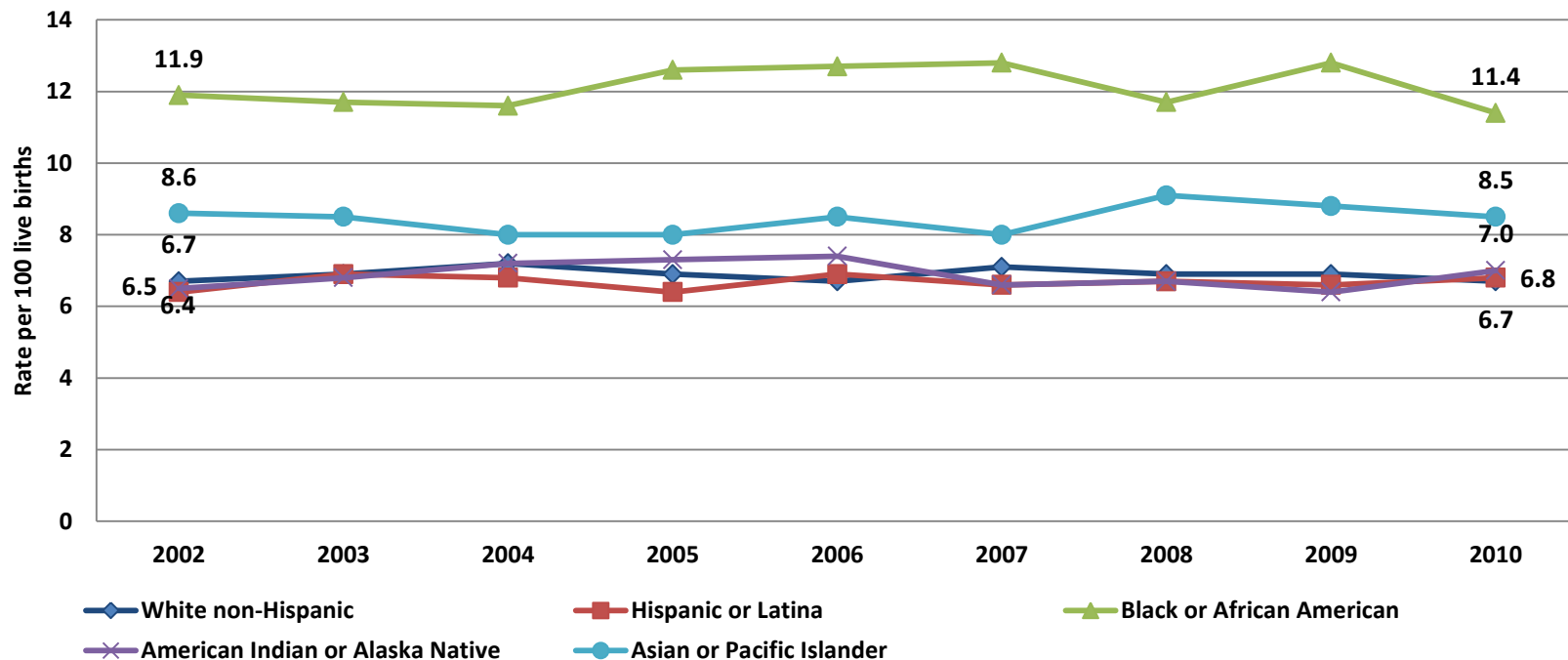


First Trimester Prenatal Care by Mother's Race/Ethnicity, Arizona, 2010



Source: Arizona Vital Statistics, 2010

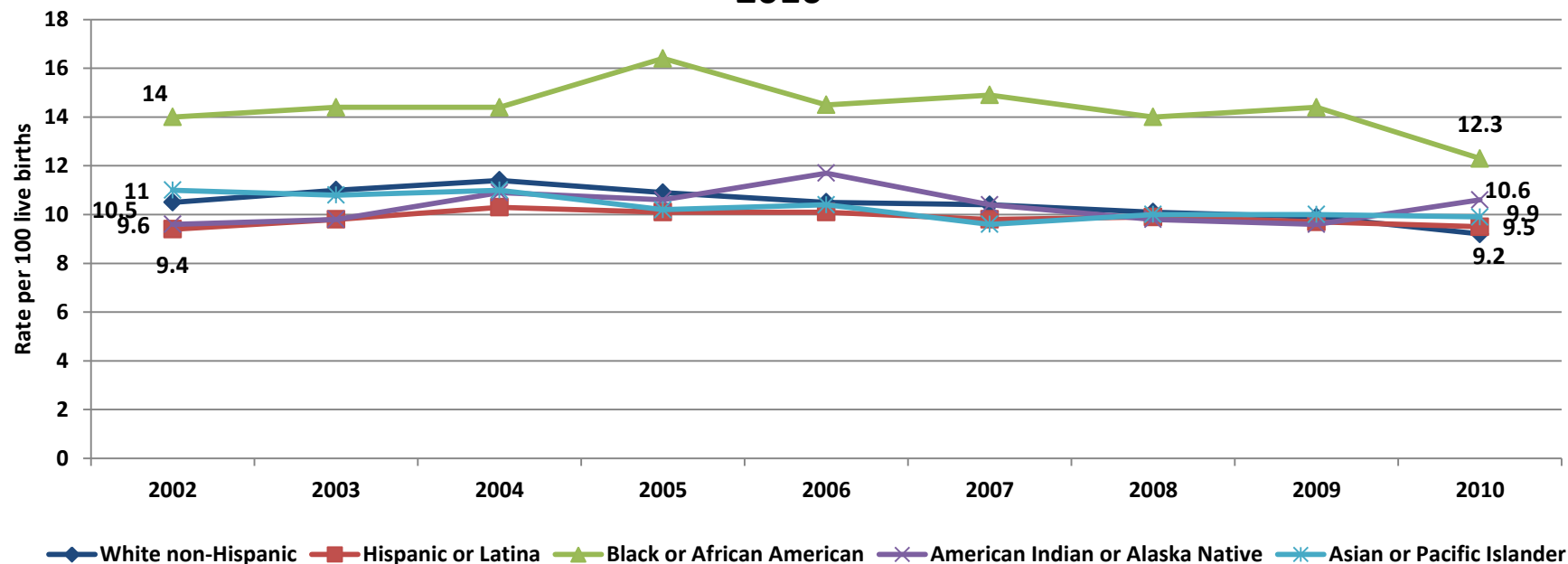
Low Birthweight (< 2,500 grams)Rate by Race and Ethnicity, Arizona 2002-2010



Source: Arizona Vital Statistics, 2002-2010

Race/Ethnicity	2002	2003	2004	2005	2006	2007	2008	2009	2010
White non-Hispanic	6.7	6.9	7.2	6.9	6.7	7.1	6.9	6.9	6.7
Hispanic or Latina	6.4	6.9	6.8	6.4	6.9	6.6	6.7	6.6	6.8
Black or African American	11.9	11.7	11.6	12.6	12.7	12.8	11.7	12.8	11.4
American Indian or Alaska Native	6.5	6.8	7.2	7.3	7.4	6.6	6.7	6.4	7.0
Asian or Pacific Islander	8.6	8.5	8.0	8.0	8.5	8.0	9.1	8.8	8.5

Rate of Preterm Births (<37 weeks) by Race and Ethnicity, Arizona 2002-2010

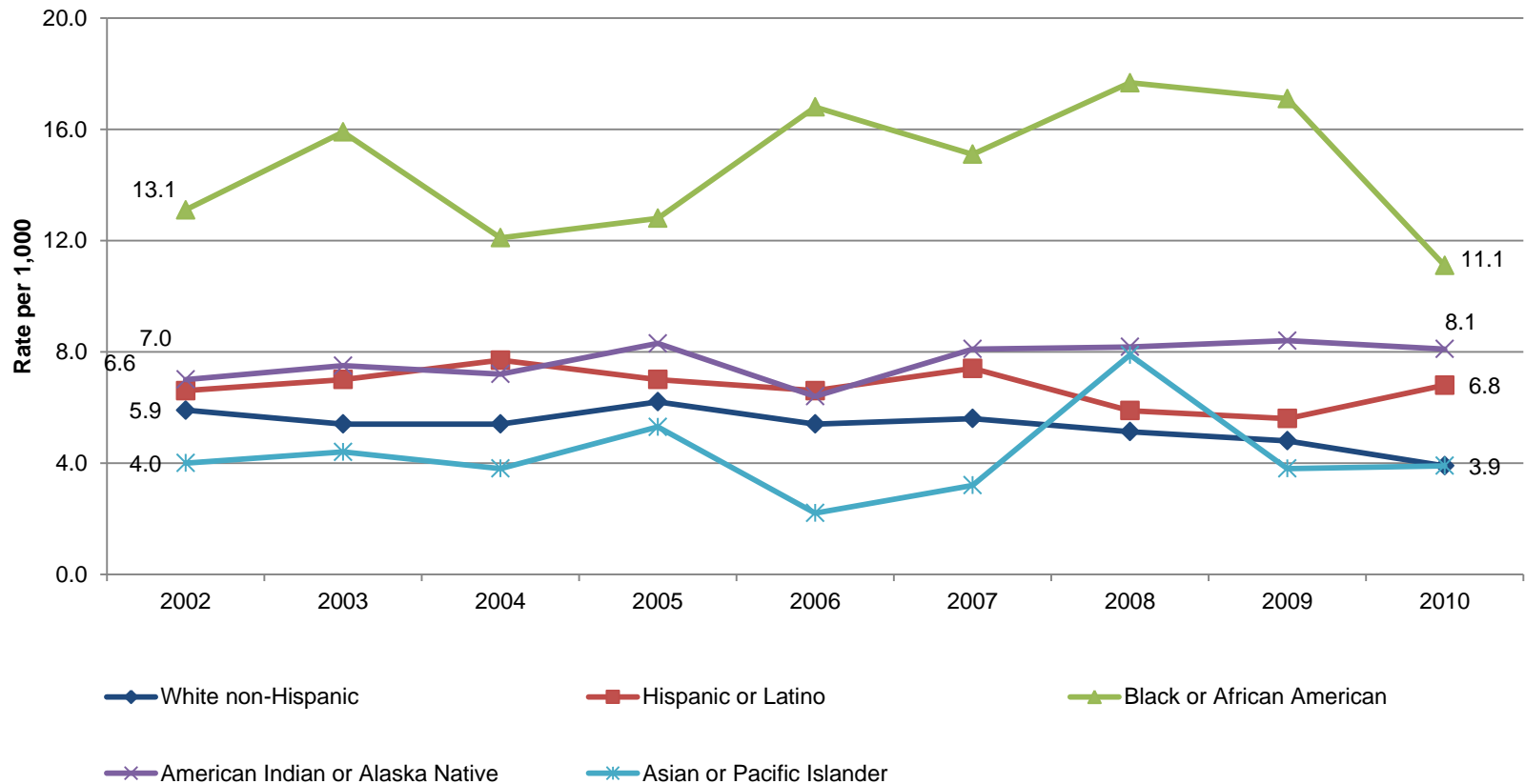


Source: Arizona Vital Statistics, 2002-2010

Race/Ethnicity

	2002	2003	2004	2005	2006	2007	2008	2009	2010
White non-Hispanic	10.5	11.0	11.4	10.9	10.5	10.4	10.1	9.9	9.2
Hispanic or Latina	9.4	9.8	10.3	10.1	10.1	9.8	9.9	9.7	9.5
Black or African American	14	14.4	14.4	16.4	14.5	14.9	14.0	14.4	12.3
American Indian or Alaska Native	9.6	9.8	10.9	10.6	11.7	10.4	9.8	9.6	10.6
Asian or Pacific Islander	11	10.8	11.0	10.2	10.4	9.6	10.0	10.0	9.9

Rate of Infant Deaths per 1,000 Live Births by Race and Ethnicity Arizona, 2002-2010



Source: Arizona Vital Statistics, 2002-2010

Title V

Strategic Priorities

Priority:

Reduce rate of teen pregnancy among youth less than 19 years old



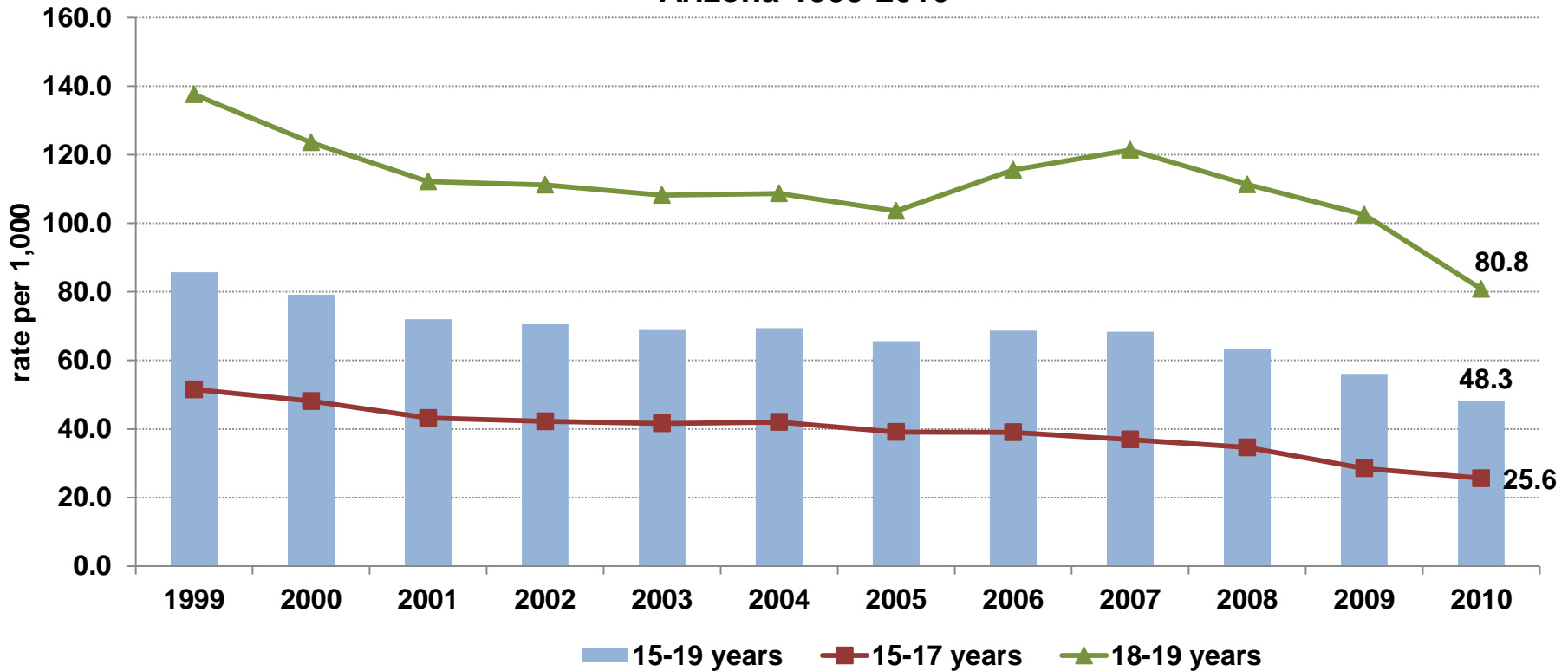
Teen Pregnancy

Arizona had largest
decline (29%) in U.S.
in teen birth rates
between 2007 and 2010



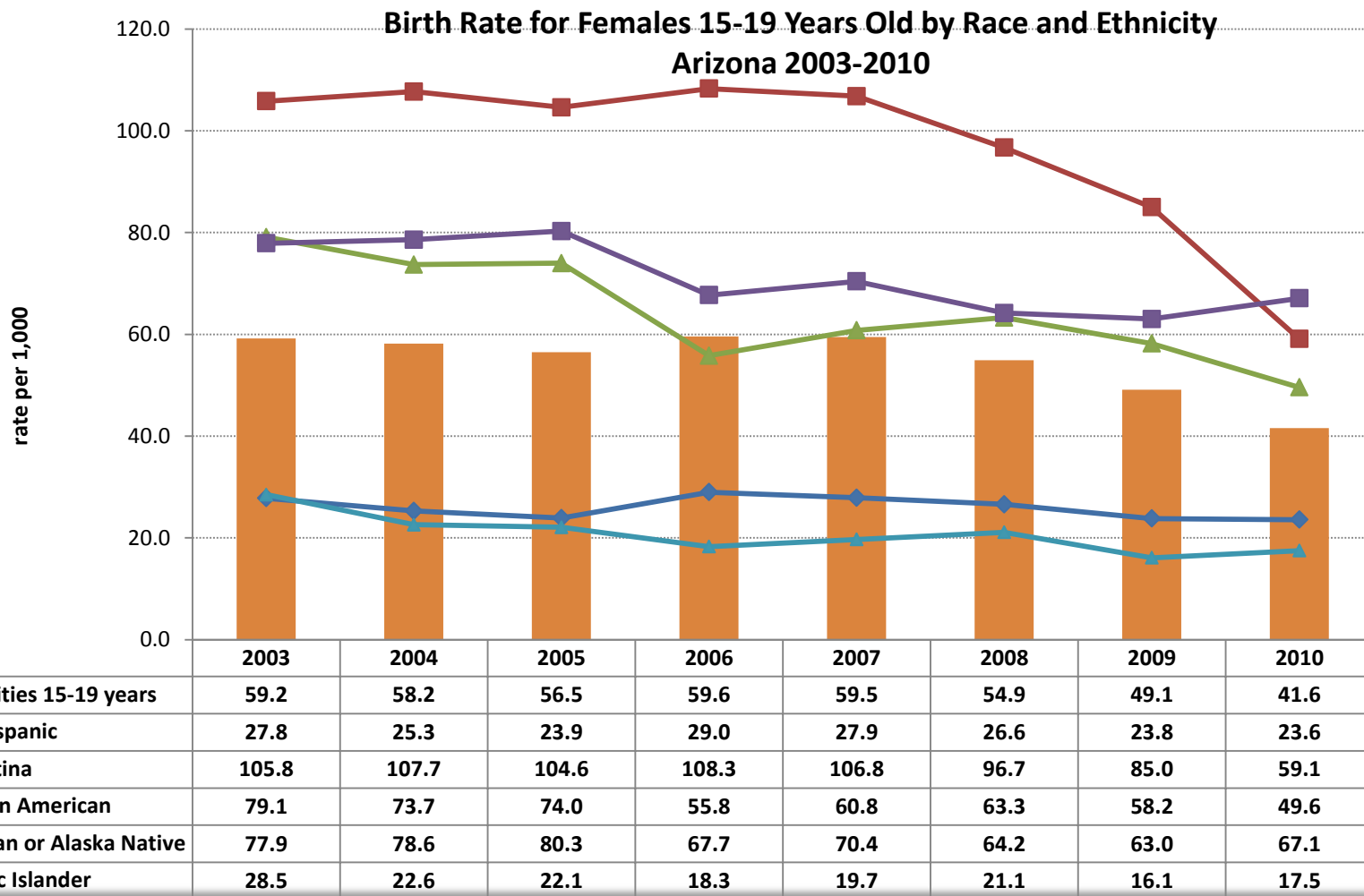
Trends in Teen Pregnancy

Rate of Pregnancy of Teen Females by Age
Arizona 1999-2010



Source: Arizona Vital Statistics, 1999-2010

Trends in Teen Births by Race and Ethnicity



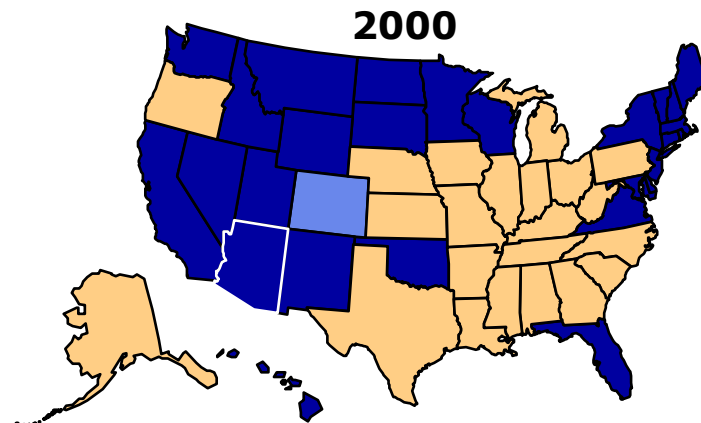
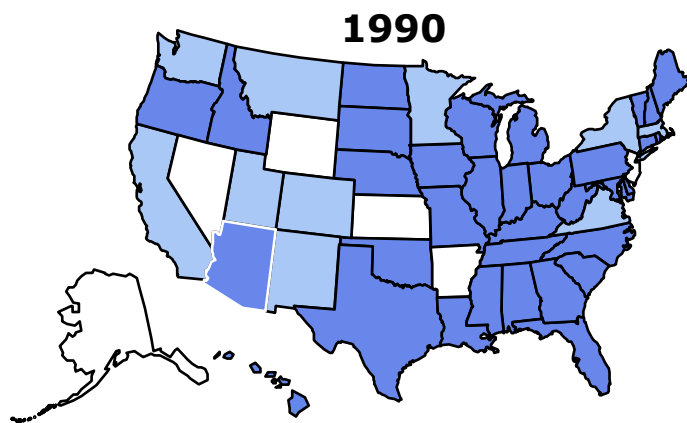
Priority:

Improve the percentage of children & families at a healthy weight

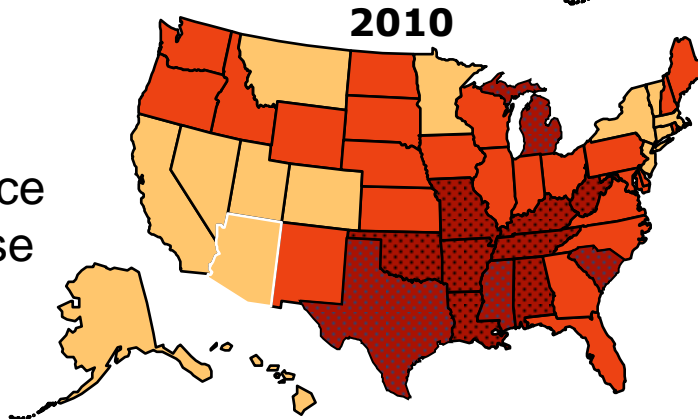


Obesity Trends* Among U.S. Adults

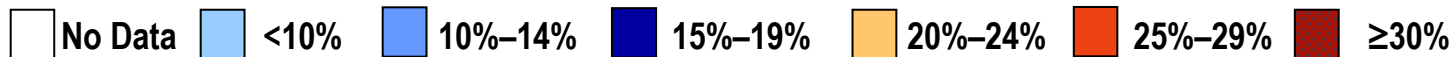
(*BMI ≥ 30 , or about 30 lbs. overweight for 5'4" person)



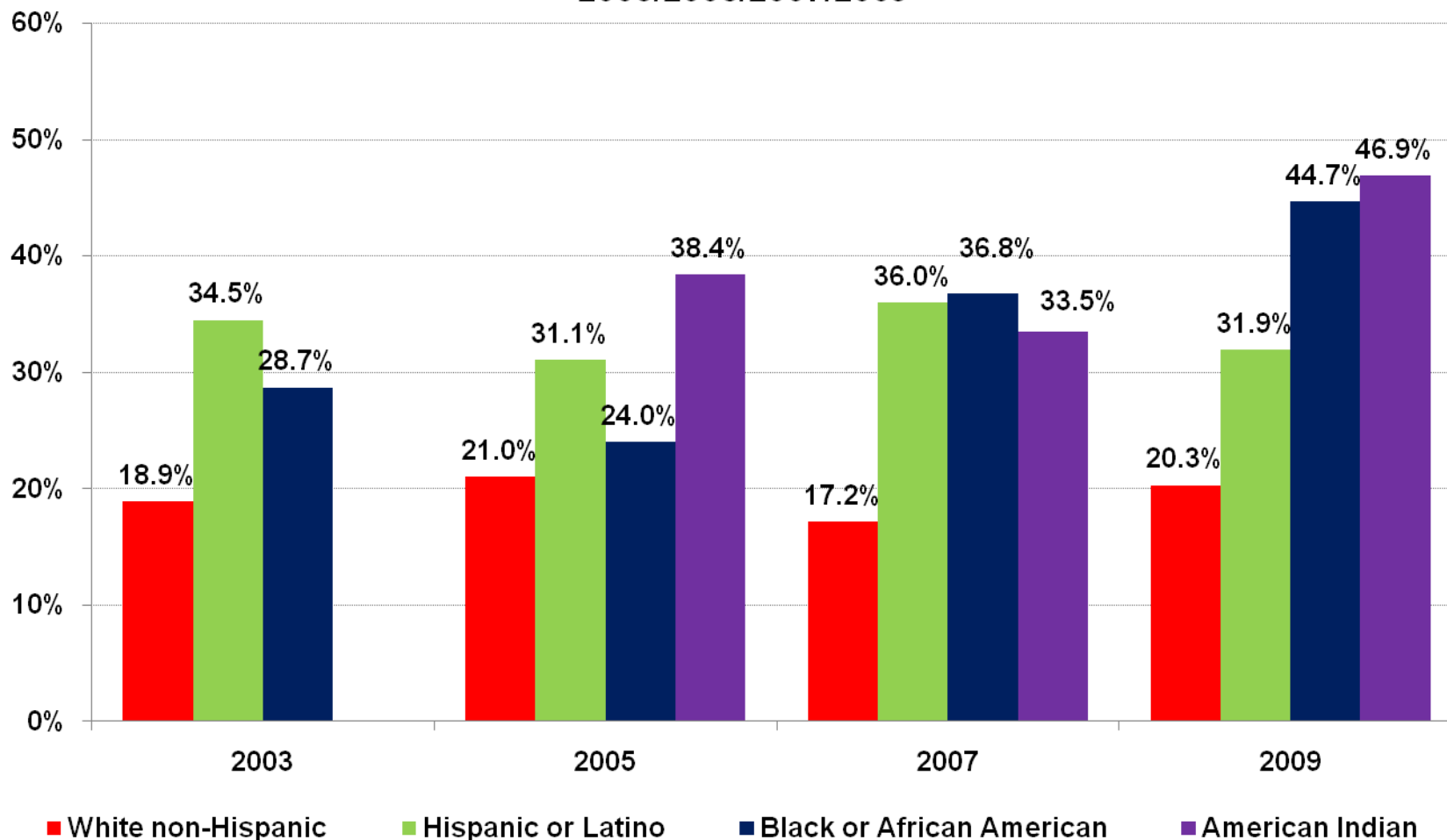
Arizona had a 19% increase in overweight/obesity since 1993 – largest increase in the nation



Diabetes in Arizona increased from 4% in 1995 to 9% in 2010 -- 9th largest increase in the nation



Percent of Overweight and Obesity among High School Youth Arizona 2003/2005/2007/2009

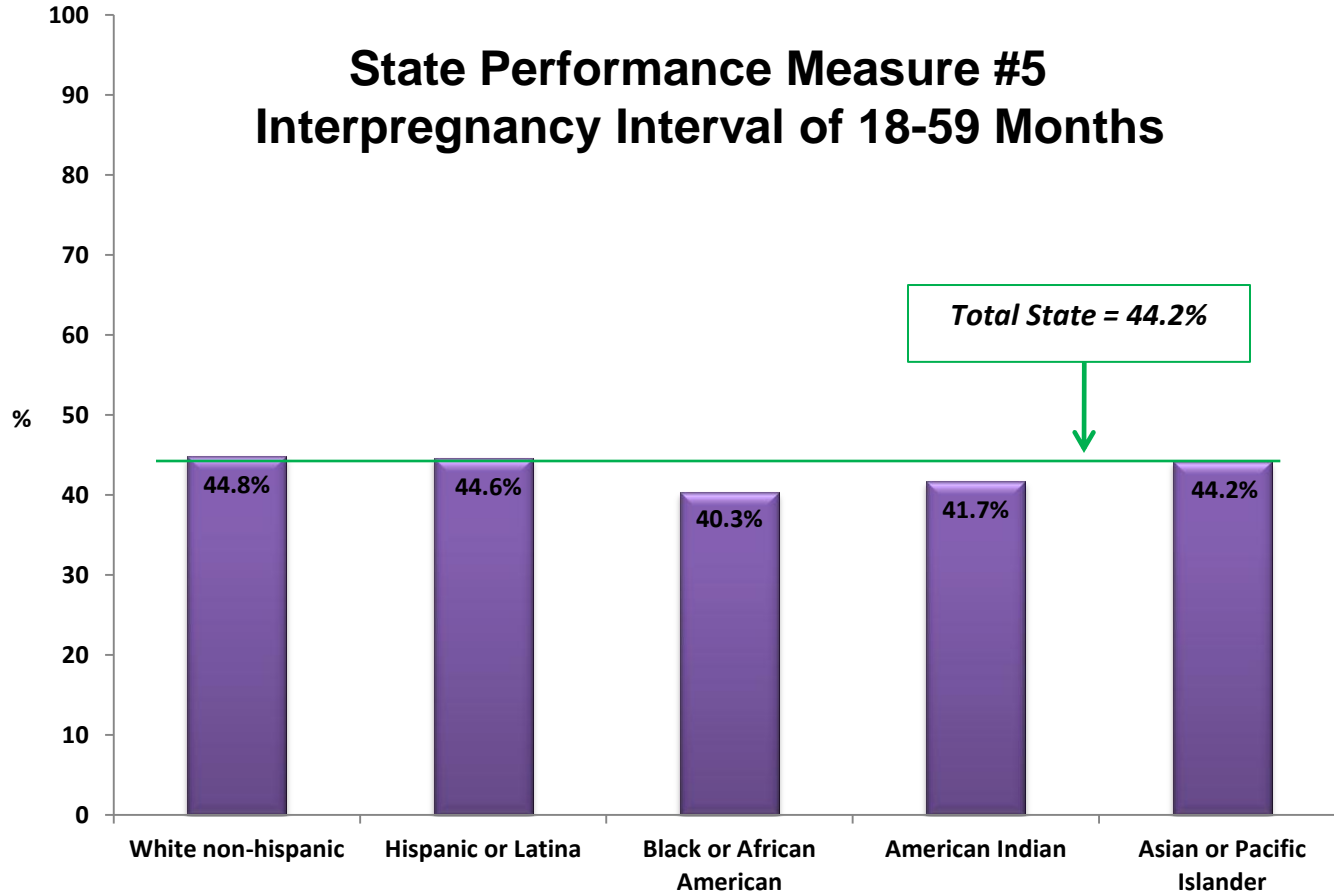


Source: Youth Risk Behavior Survey, 2003/2005/2007/2009

Priority: Improve the health of women prior to pregnancy



State Performance Measure #5 Interpregnancy Interval of 18-59 Months



Source: Arizona Birth Certificate, 2011

Priority:

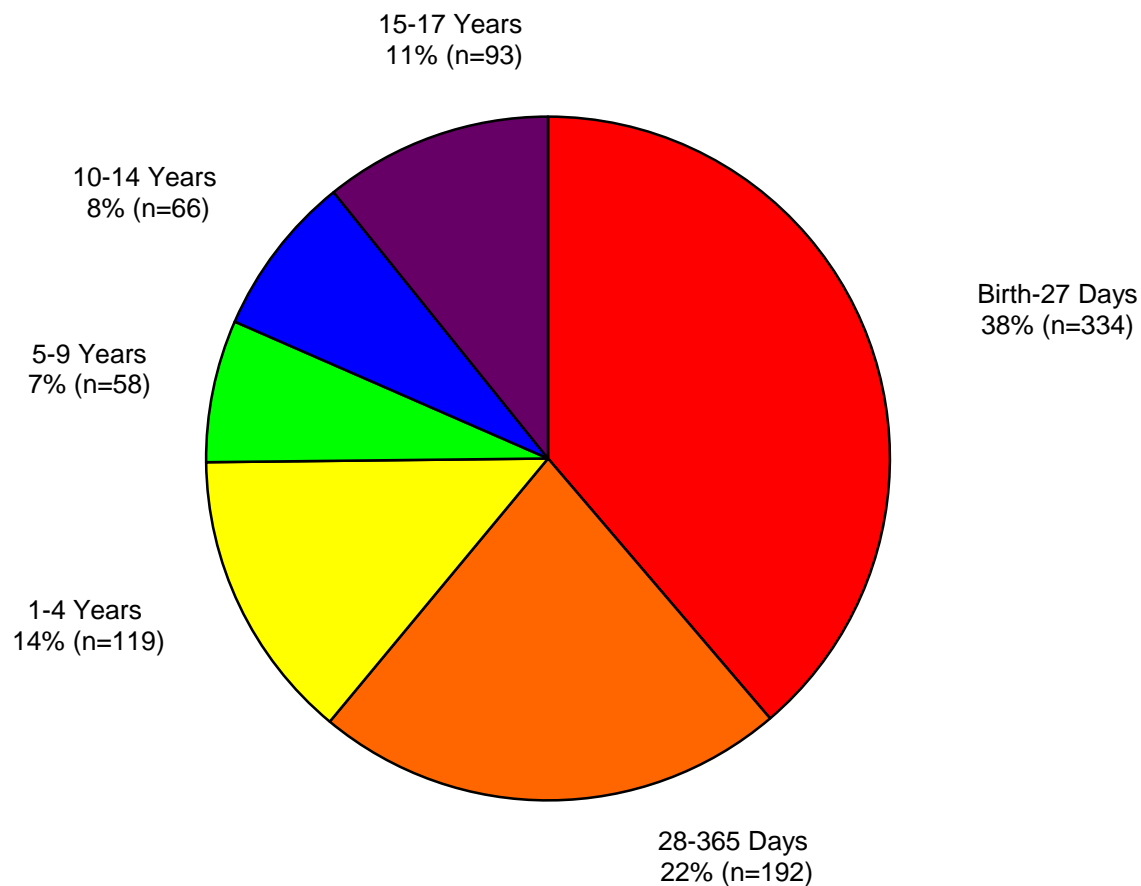
Reduce the rate of injuries, both intentional and unintentional



Child Fatalities 2010

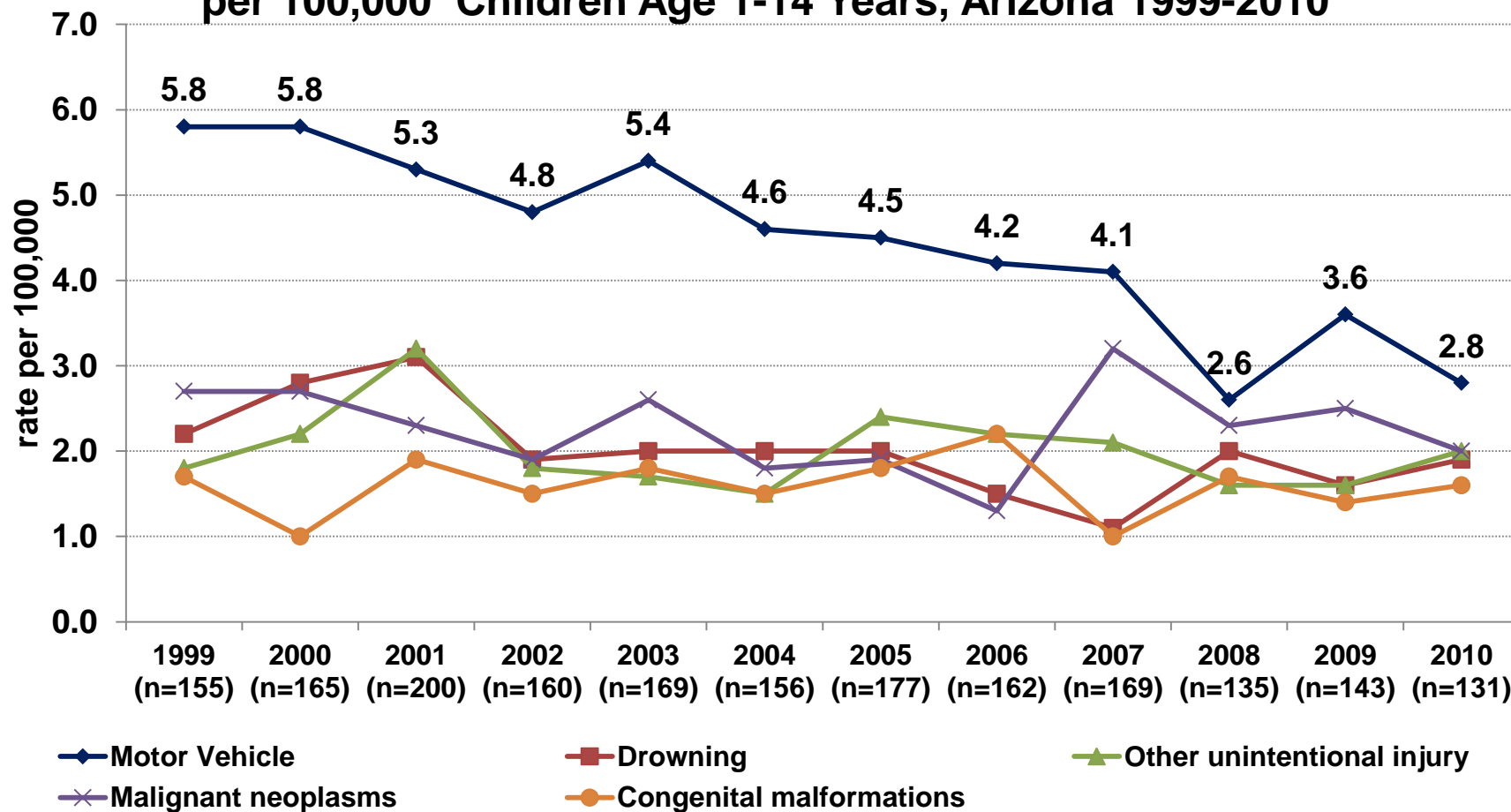
- 33 children died due to drowning
- Percent of maltreatment deaths increased slightly
- 77 infants died in unsafe sleep environments
- 155 children died in or around the home

Deaths Among Children by Age Group, Arizona, 2010 (n=862)



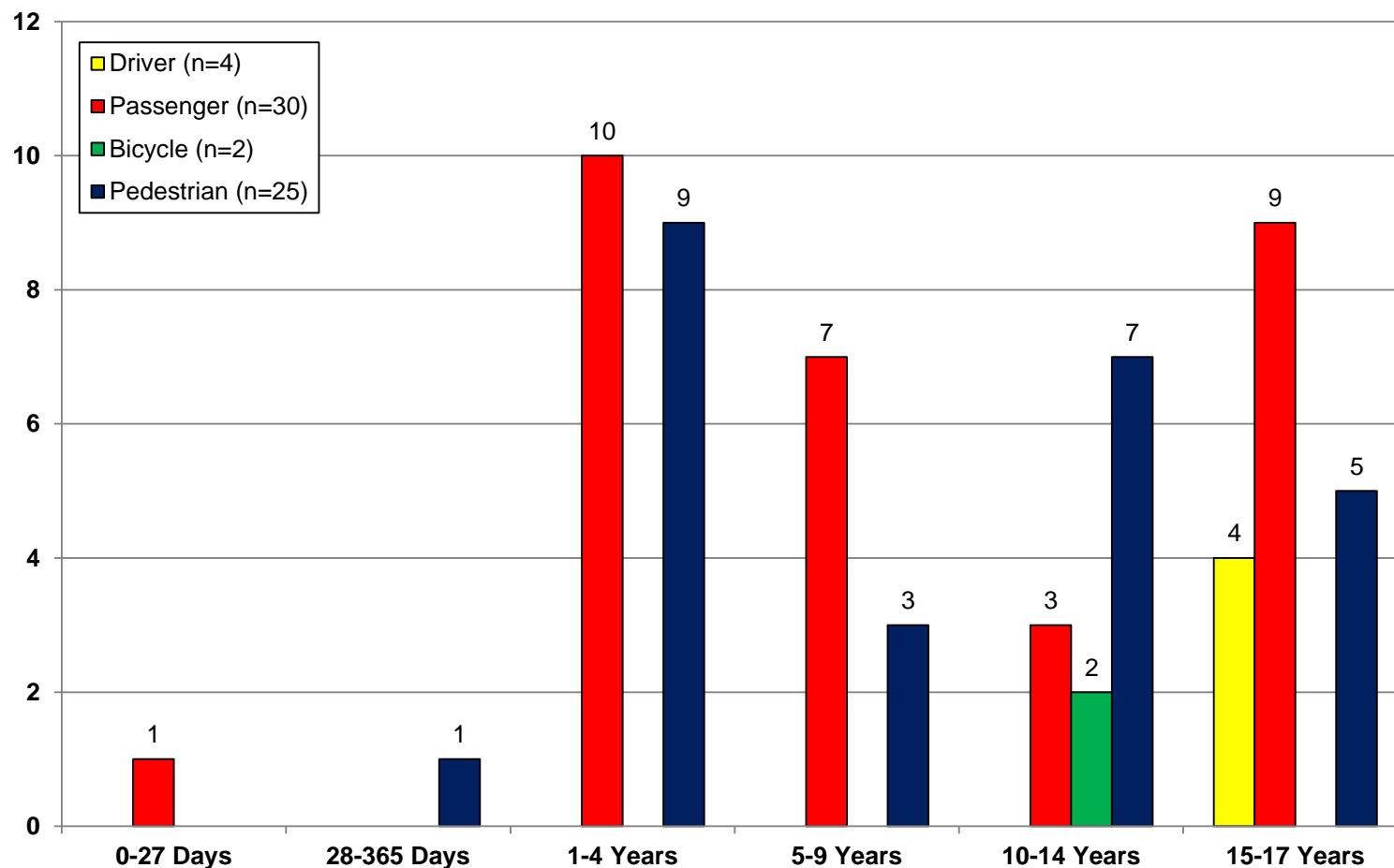
Source: Arizona Child Fatality Review Program

Mortality Rates for Leading Causes of Death per 100,000 Children Age 1-14 Years, Arizona 1999-2010

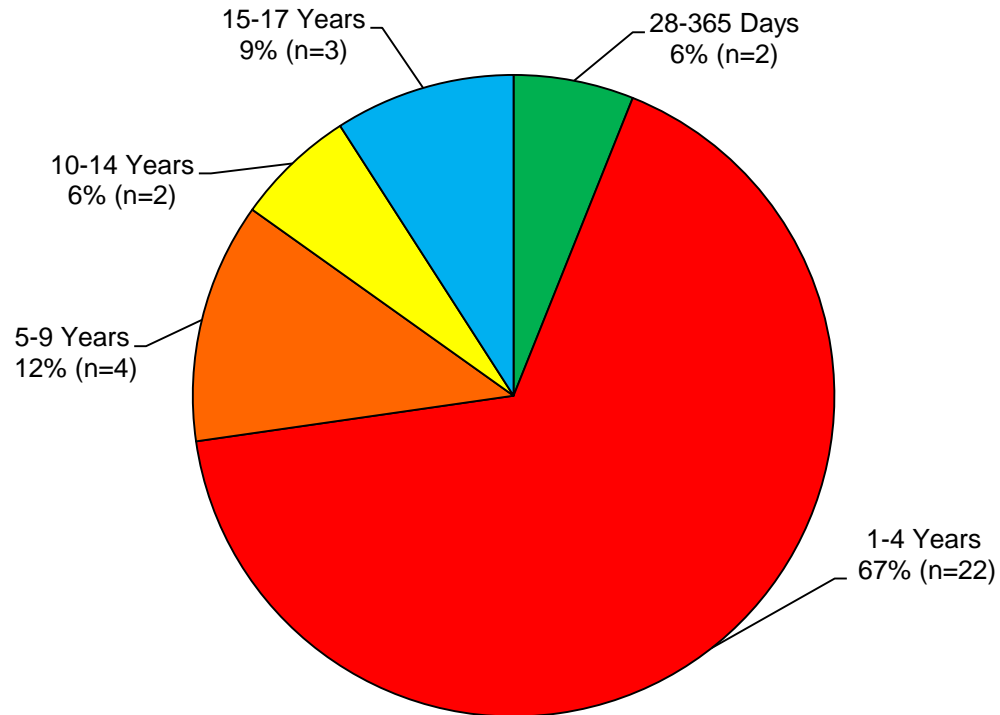


Source: Arizona Vital Statistics, 1999-2010

Motor Vehicle and Other Transport Deaths by Age Group and Location, Arizona, 2010 (n=61)

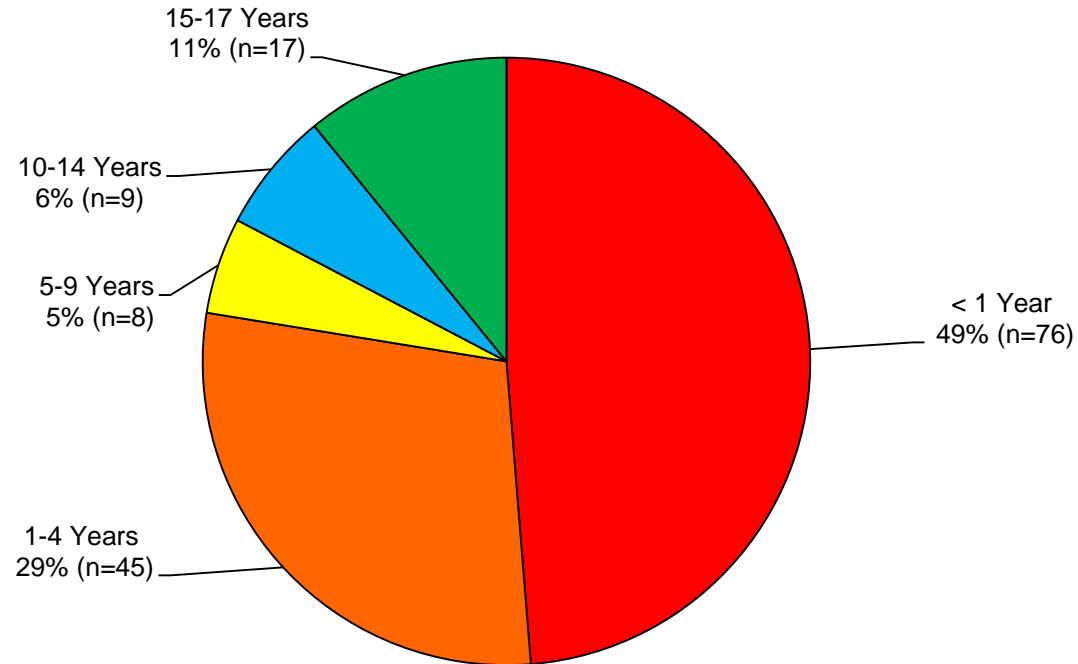


Drowning Deaths by Age Group Among Children, Arizona, 2010 (n=33)



Source: Arizona Child Fatality Review Program

Home Safety-Related Deaths Among Children by Age Group, Arizona, 2010 (n=155)

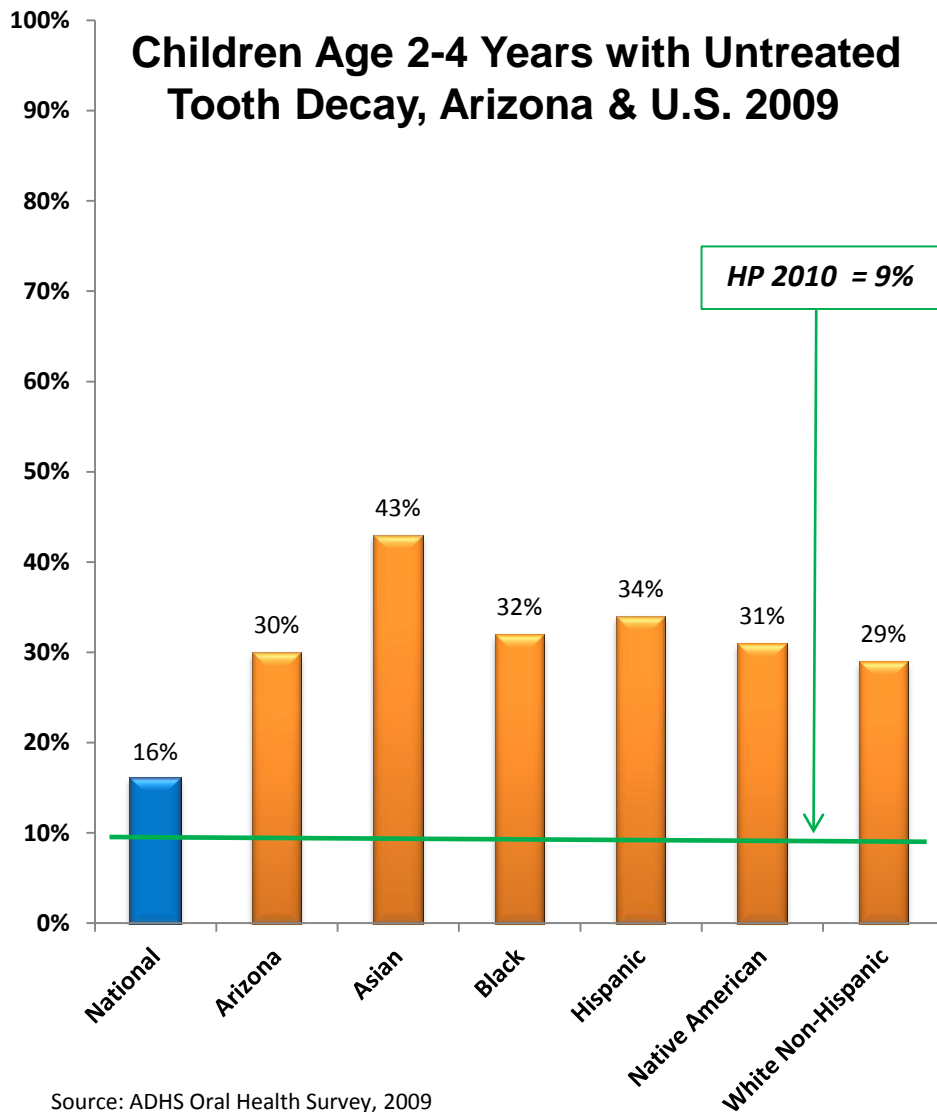


Source: Arizona Child Fatality Review Program

Priority: Improve the oral health of Arizonans

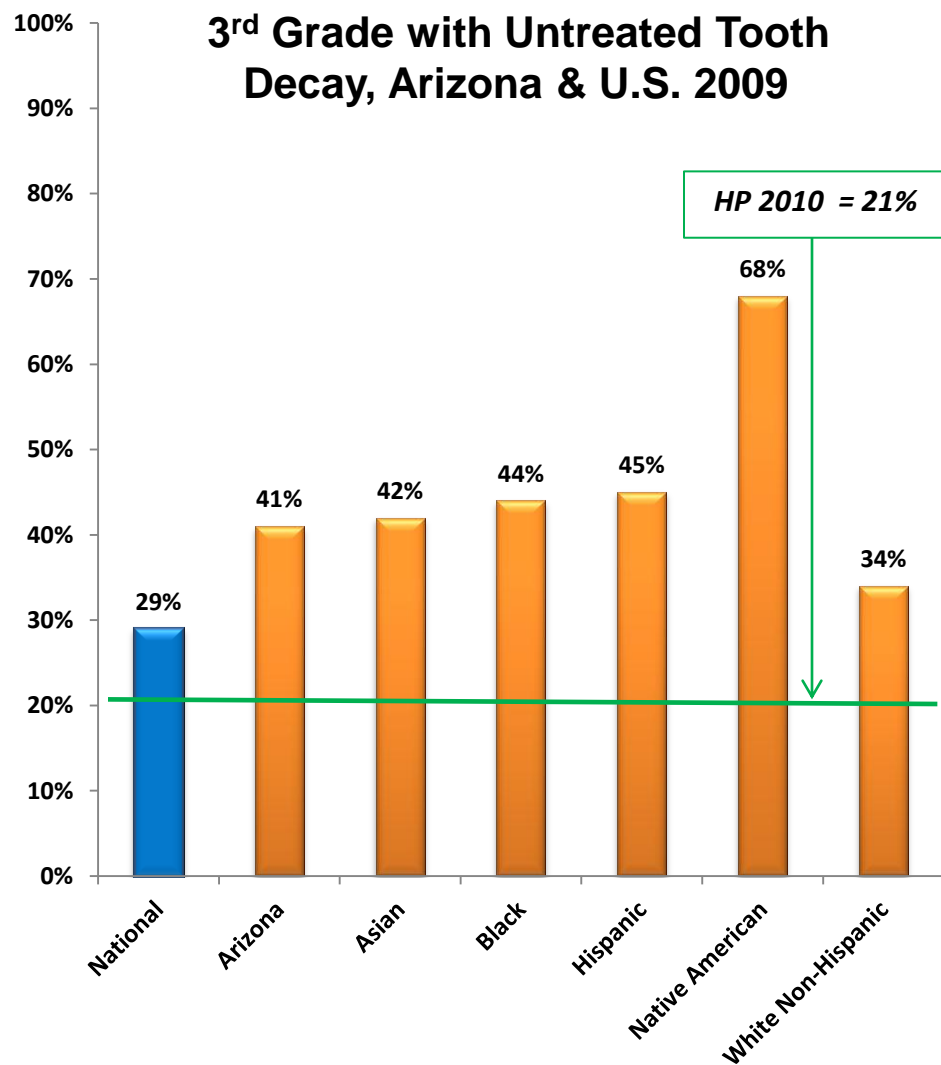


Children Age 2-4 Years with Untreated Tooth Decay, Arizona & U.S. 2009



Source: ADHS Oral Health Survey, 2009

3rd Grade with Untreated Tooth Decay, Arizona & U.S. 2009



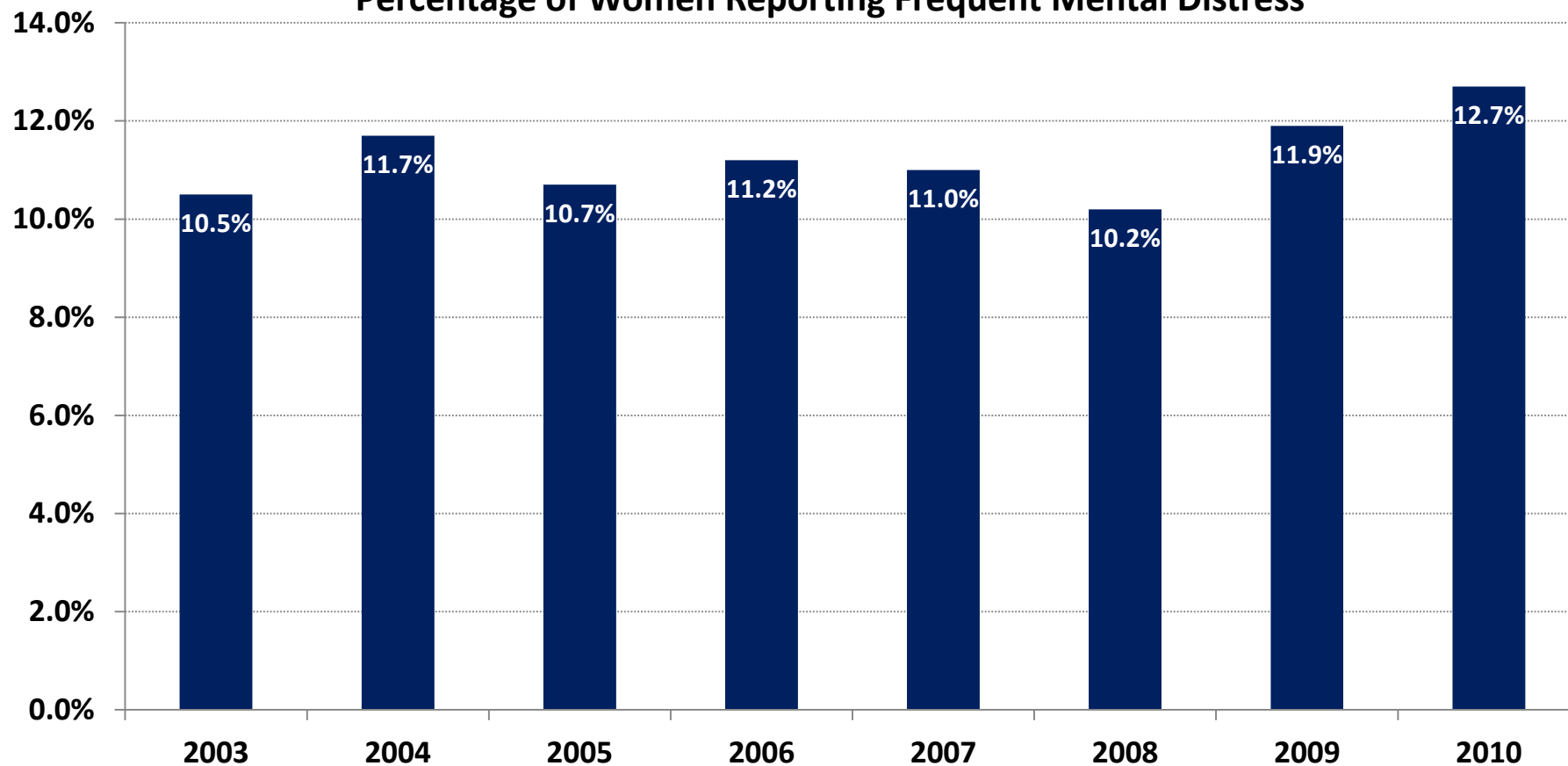
Source: Arizona Healthy Smiles Healthy Bodies Survey, 2009

Priority: Improve the behavioral health of women & children



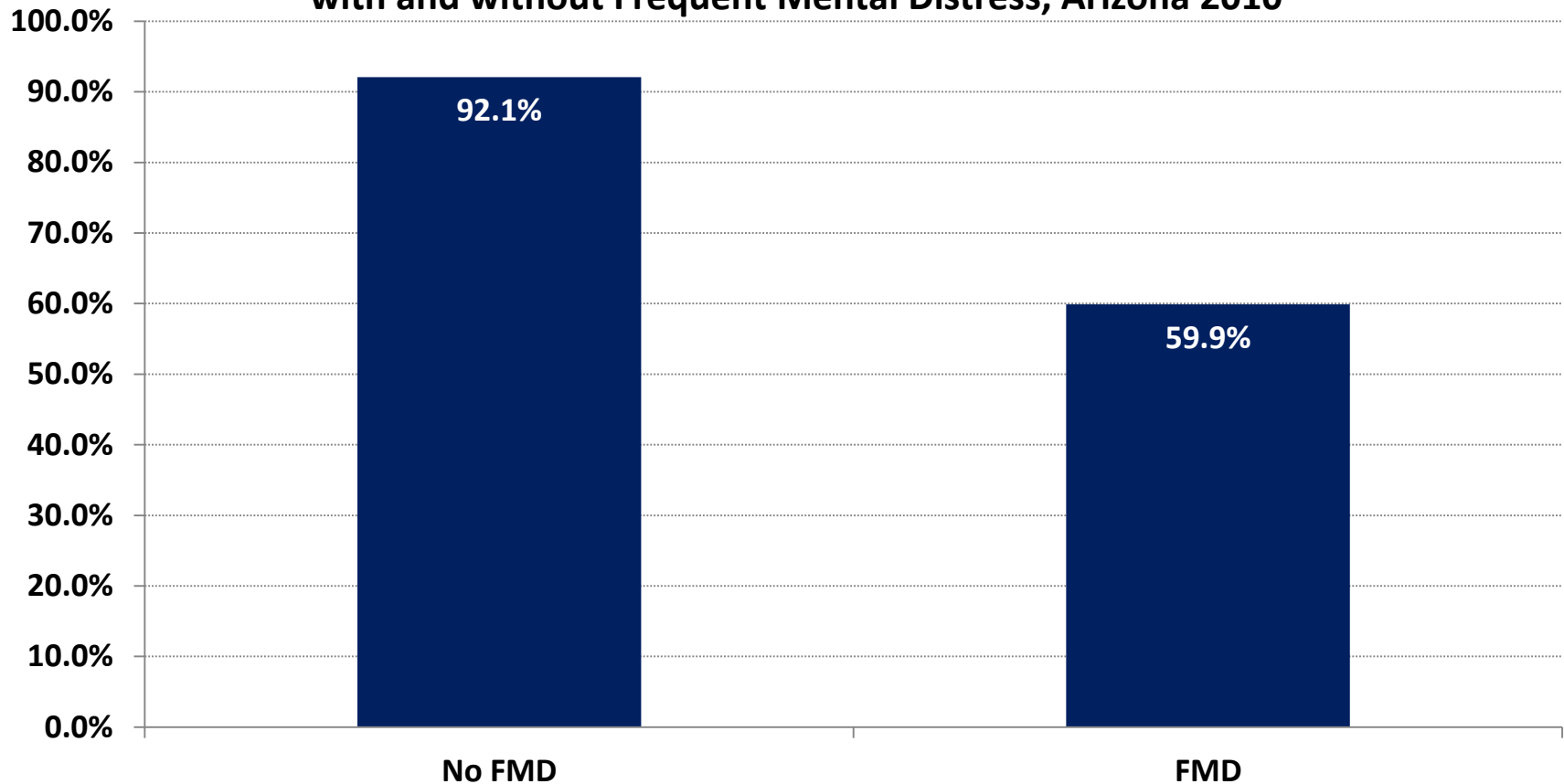
State Performance Measure #7

Percentage of Women Reporting Frequent Mental Distress



Source: Arizona BRFSS, 2003-2010

Reported Good to Excellent Health Among Females Aged 18-44 Years with and without Frequent Mental Distress, Arizona 2010

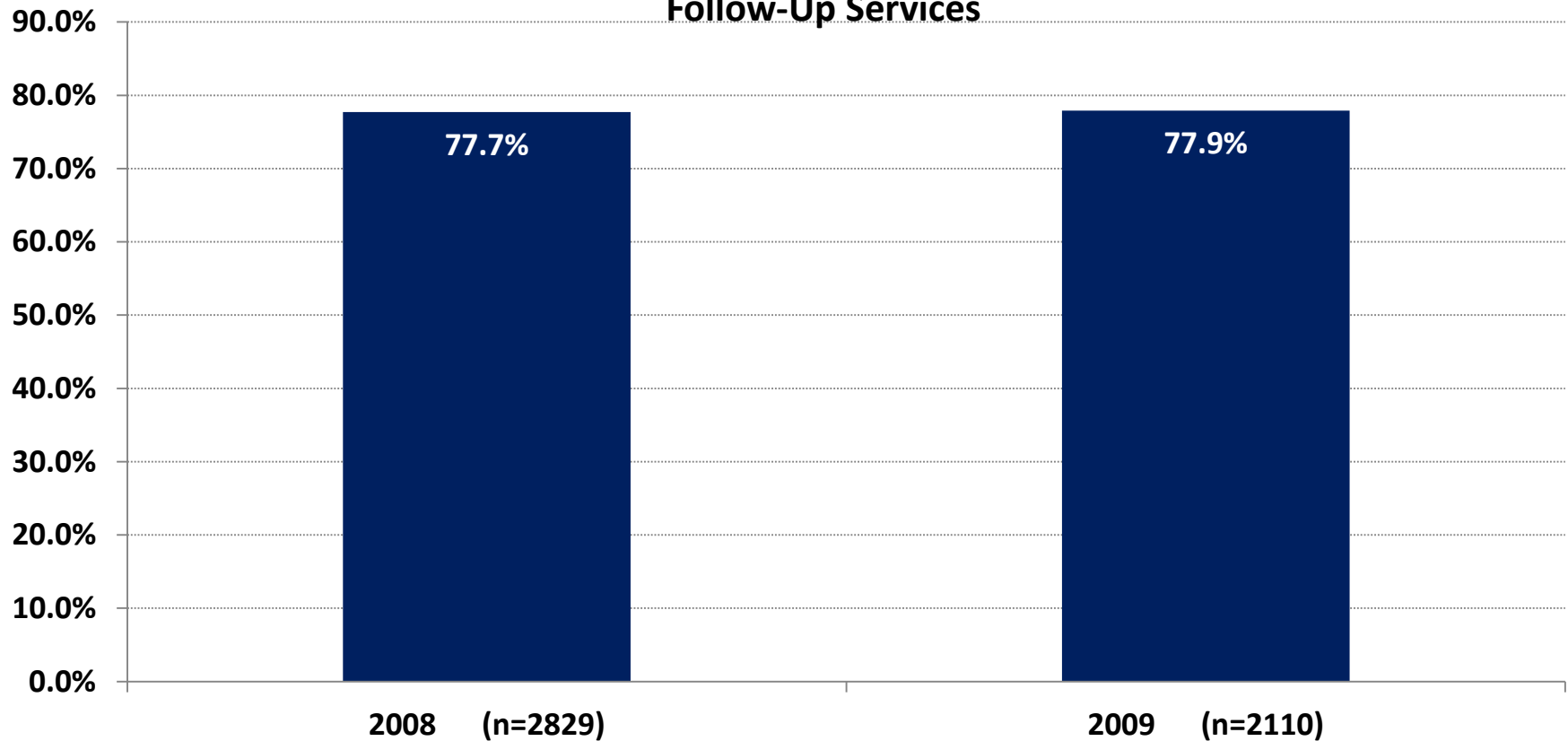


Source: Arizona BRFSS, 2010

Priority: Reduce Unmet Need for Hearing Services



State Performance Measure #8 Newborns Who Fail Initial Hearing Screening and Receive Appropriate Follow-Up Services



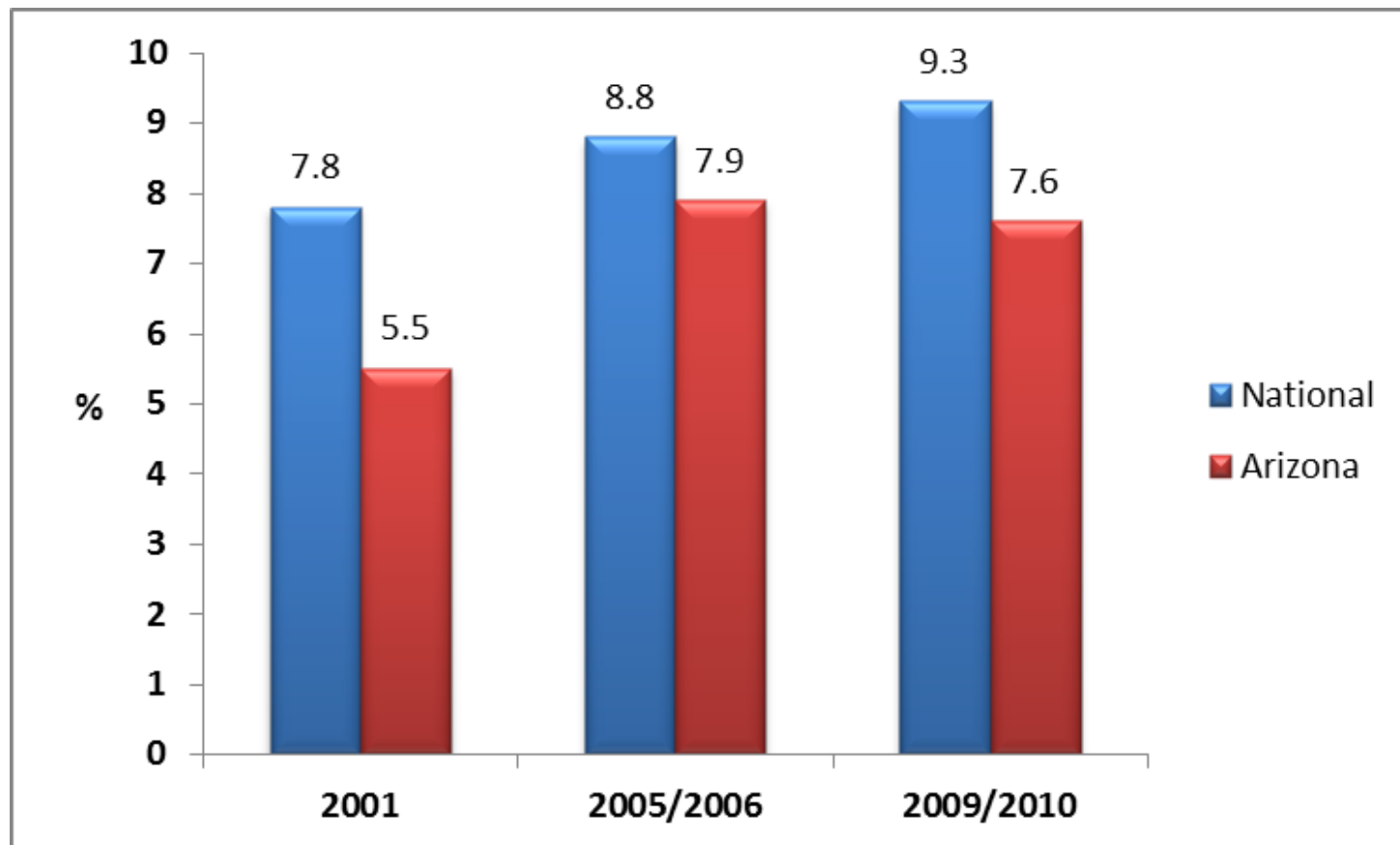
Source: Arizona Office of Newborn Screening

Priority:

Promote inclusion of children with special health care needs in all aspects of life

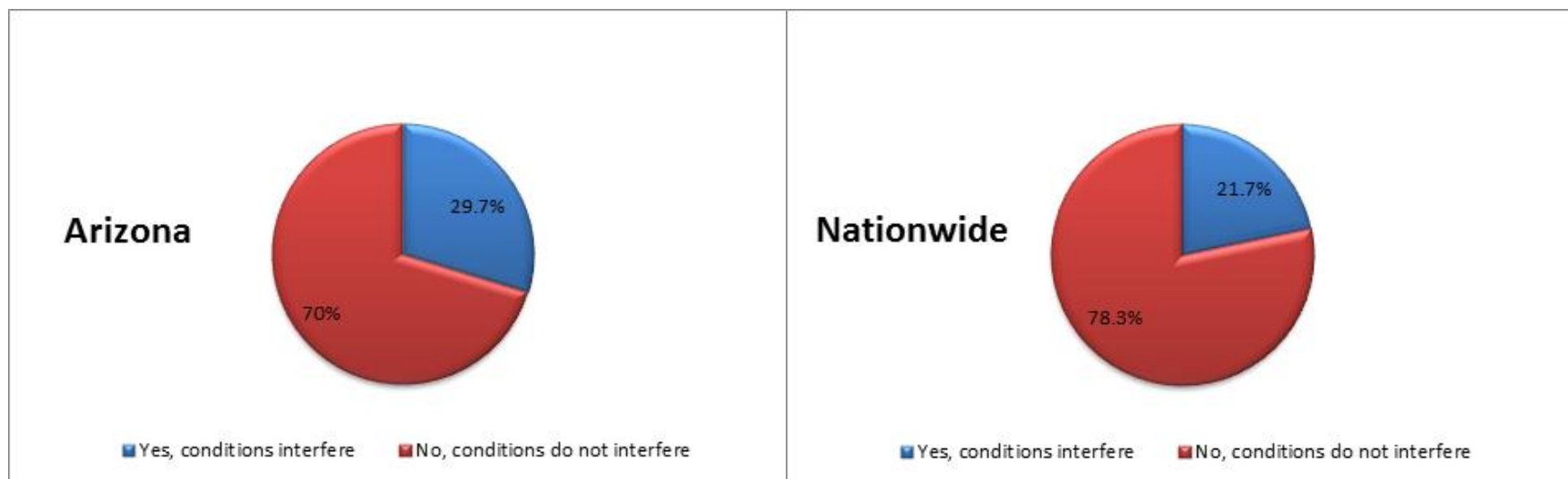


Percentage of Children/Youth Ages 0-5 with Special Health Care Needs Nationwide vs. Arizona



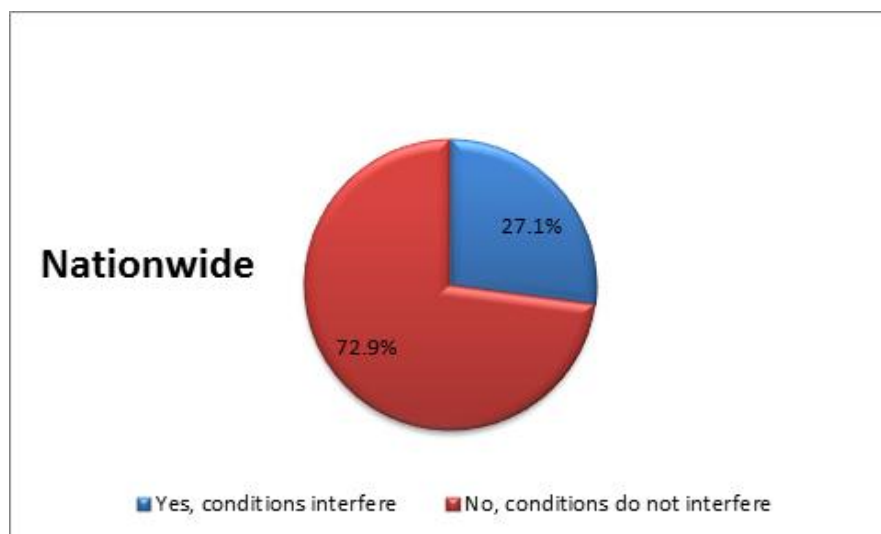
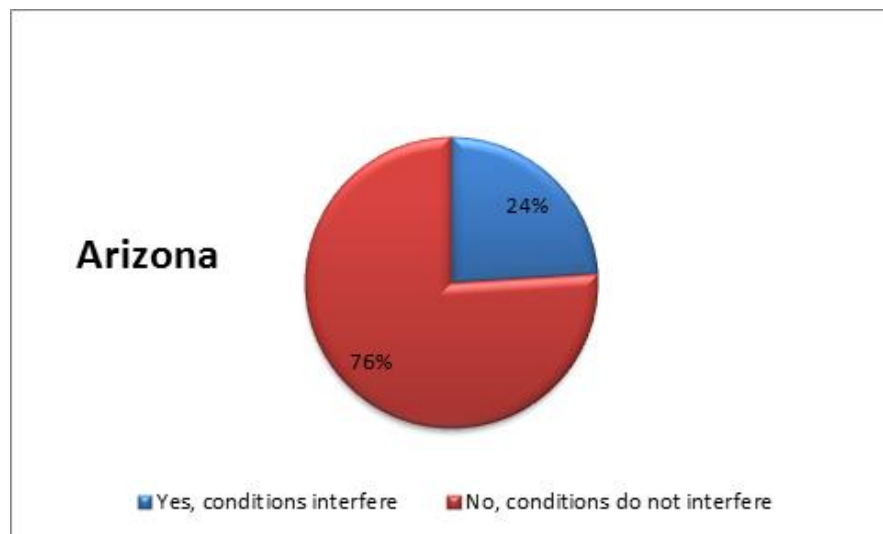
Source: National Survey of Children with Special Health Care Needs. NS-CSHCN 2009/10. Data query from the Child and Adolescent Health Measurement Initiative, Data Resource Center for Child and Adolescent Health website. Retrieved from www.childhealthdata.org

CSHCN ages 0-4 years with medical or behavioral conditions that interfere with ability to go on outings, such as to the park, library, zoo, shopping, church, or family gatherings



Source: National Survey of Children with Special Health Care Needs. NS-CSHCN 2009/10. Data query from the Child and Adolescent Health Measurement Initiative, Data Resource Center for Child and Adolescent Health website. Retrieved from www.childhealthdata.org

CSHCN ages 1-4 years with medical or behavioral conditions that interfere with ability play with other children



Source: National Survey of Children with Special Health Care Needs. NS-CSHCN 2009/10. Data query from the Child and Adolescent Health Measurement Initiative, Data Resource Center for Child and Adolescent Health website. Retrieved from www.childhealthdata.org

Resources

- [Immunizations- http://www.azdhs.gov/phs/immun/act_aipo.htm](http://www.azdhs.gov/phs/immun/act_aipo.htm)
- Teen Pregnancy- <http://www.azdhs.gov/phs/owch/sexcanwait/index.htm>
- Preconception health -
<http://www.azdhs.gov/phs/owch/women/preconception.htm>
- Injury Prevention-<http://www.azdhs.gov/phs/owch/ipcfr/index.htm>
- Children's Health -<http://www.azdhs.gov/phs/owch/children/>
- Oral Health- <http://www.azdhs.gov/phs/owch/ooh/index.htm>
- Newborn Screening- <http://www.azdhs.gov/lab/aznewborn/>



Thank you! – Questions?